

Harvest the Sunshine

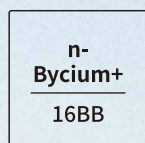
605W



JA SOLAR

## JAM72D40 LB n-type Double Glass Bifacial Modules

### Premium Cells



MBB Half-Cell  
Technology

26%



Cell Conversion  
Efficiency

### Premium Modules



Higher power  
generation better LCOE



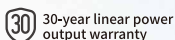
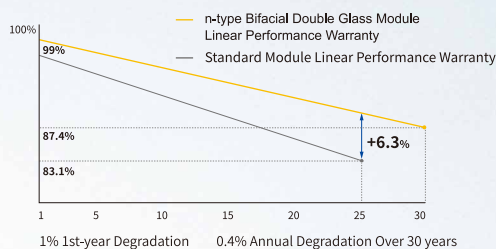
n-type with very  
Lower LID



Better Temperature  
Coefficient

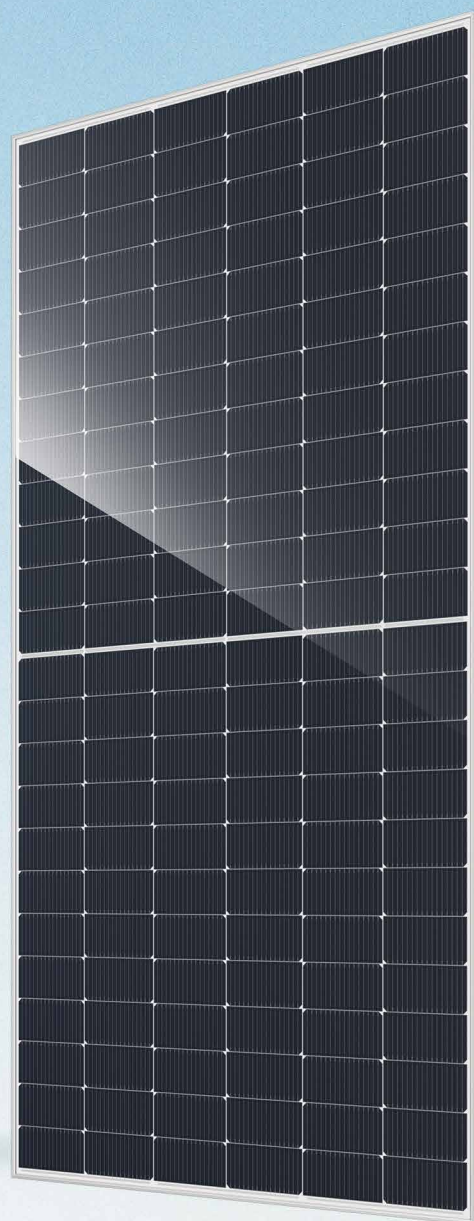


Better low irradiance  
response



### Comprehensive Certificates

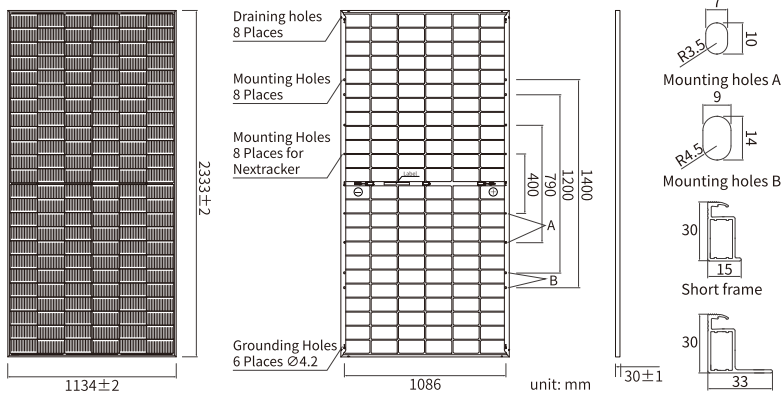
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

# JAM72D40 LB

n-type Double Glass Bifacial Modules



## MECHANICAL PARAMETERS

|                                       |                                                               |
|---------------------------------------|---------------------------------------------------------------|
| Cell                                  | Mono                                                          |
| Weight                                | 32.5kg                                                        |
| Dimensions                            | 2333±2mm×1134±2mm×30±1mm                                      |
| Cable Cross Section Size              | 4mm²(IEC), 12 AWG(UL)                                         |
| No. of cells                          | 144(6×24)                                                     |
| Junction Box                          | IP68, 3diodes                                                 |
| Connector                             | QC 4.10-351/ MC4-EVO2A                                        |
| Cable Length<br>(Including Connector) | Portrait: 300mm(+)/400mm(-)<br>Landscape: 1400mm(+)/1400mm(-) |
| Front Glass/Back Glass                | 2.0mm/2.0mm                                                   |
| Packaging Configuration               | 36pcs/Pallet, 720pcs/40HQ Container                           |

Remark: customized frame color and cable length available upon request

## ELECTRICAL PARAMETERS AT STC

| TYPE                                   | JAM72D40<br>580/LB                                 | JAM72D40<br>585/LB | JAM72D40<br>590/LB | JAM72D40<br>595/LB | JAM72D40<br>600/LB | JAM72D40<br>605/LB |
|----------------------------------------|----------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Rated Maximum Power(Pmax) [W]          | 580                                                | 585                | 590                | 595                | 600                | 605                |
| Open Circuit Voltage (Voc) [V]         | 51.60                                              | 51.80              | 52.00              | 52.20              | 52.40              | 52.60              |
| Maximum Power Voltage(Vmp) [V]         | 43.06                                              | 43.24              | 43.41              | 43.59              | 43.76              | 43.94              |
| Short Circuit Current(Isc) [A]         | 14.23                                              | 14.29              | 14.35              | 14.42              | 14.48              | 14.53              |
| Maximum Power Current(Imp) [A]         | 13.47                                              | 13.53              | 13.59              | 13.65              | 13.71              | 13.77              |
| Module Efficiency [%]                  | 21.9                                               | 22.1               | 22.3               | 22.5               | 22.7               | 22.9               |
| Power Tolerance                        | 0~+3%                                              |                    |                    |                    |                    |                    |
| Temperature Coefficient of Isc(α_Isc)  | +0.045%/°C                                         |                    |                    |                    |                    |                    |
| Temperature Coefficient of Voc (β_Voc) | -0.250%/°C                                         |                    |                    |                    |                    |                    |
| Temperature Coefficient of Pmax(γ_Pmp) | -0.290%/°C                                         |                    |                    |                    |                    |                    |
| STC                                    | Irradiance 1000W/m², cell temperature 25°C, AM1.5G |                    |                    |                    |                    |                    |

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

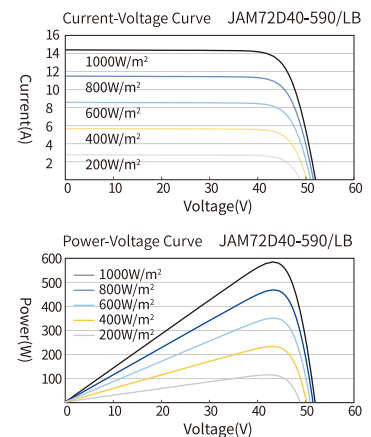
## ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

| TYPE                           | JAM72D40<br>580/LB | JAM72D40<br>585/LB | JAM72D40<br>590/LB | JAM72D40<br>595/LB | JAM72D40<br>600/LB | JAM72D40<br>605/LB |
|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Rated Max Power(Pmax) [W]      | 626                | 632                | 637                | 643                | 648                | 653                |
| Open Circuit Voltage(Voc) [V]  | 51.60              | 51.80              | 52.00              | 52.20              | 52.40              | 52.60              |
| Max Power Voltage(Vmp) [V]     | 43.06              | 43.24              | 43.41              | 43.59              | 43.76              | 43.94              |
| Short Circuit Current(Isc) [A] | 15.36              | 15.43              | 15.50              | 15.57              | 15.64              | 15.69              |
| Max Power Current(Imp) [A]     | 14.55              | 14.61              | 14.68              | 14.74              | 14.81              | 14.87              |
| Irradiation Ratio (rear/front) | 10%                |                    |                    |                    |                    |                    |

\* For Nexttracker installations, maximum static load please take compatibility approve letter between JA Solar and Nexttracker for reference.

\*\* Bifaciality=Pmax, rear/Rated Pmax, front

## CHARACTERISTICS



## OPERATING CONDITIONS

|                             |                    |
|-----------------------------|--------------------|
| Maximum System Voltage      | 1500V DC           |
| Operating Temperature       | -40°C~+85°C        |
| Maximum Series Fuse Rating  | 30A                |
| Maximum Static Load, Front* | 5400Pa(112 lb/ft²) |
| Maximum Static Load, Back*  | 2400Pa(50 lb/ft²)  |
| NOCT                        | 45±2°C             |
| Bifaciality**               | 80%±10%            |
| Safety Class                | Class II           |
| Fire Performance            | UL Type 29/Class C |



### Headquarters

No. 8 Building, Nuode Center, No.1 Courtyard, East Auto Museum Road,  
Fengtai District, Beijing  
Tel: +86 10 6361 1888 Fax: +86 10 6361 9999  
E-mail: sales@jasolar.com marketing@jasolar.com www.jasolar.com

Specifications subject to technical changes and tests.  
JA Solar reserves the right of final interpretation.

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